

Title (en)  
Vertical wind tunnel freefall simulator

Title (de)  
Windtunnelfallschirmsprungsimulator

Title (fr)  
Simulateur de parachutisme sportif

Publication  
**EP 2287073 A2 20110223 (EN)**

Application  
**EP 10185510 A 20050801**

Priority  
• US 90908804 A 20040730  
• US 18494005 A 20050719  
• EP 05803928 A 20050801  
• US 2005027750 W 20050801

Abstract (en)  
A vertical wind tunnel free fall simulator comprises a recirculating airflow plenum having a generally rectangular configuration. The simulator further comprises a vertical flight chamber (10,1503,2202), capable of floating at least one human housed within a first vertical member of the airflow plenum. Part of the simulator are also one or two return ducts of generally rectangular configuration, whereas each return duct comprises a top horizontal member (30), a second vertical member (5), and bottom horizontal member (7). At least one fan assembly (3) comprising a plurality of fans is arranged in each return duct.

IPC 8 full level  
**B64D 23/00** (2006.01); **A01K 73/02** (2006.01); **A63G 31/00** (2006.01)

CPC (source: EP KR US)  
**A63G 31/00** (2013.01 - EP US); **B64D 23/00** (2013.01 - EP KR US); **D07B 5/005** (2013.01 - EP KR US); **A63G 2031/005** (2013.01 - EP KR US); **D07B 2201/1016** (2013.01 - EP KR US); **D07B 2201/2037** (2013.01 - EP KR US)

Citation (third parties)  
Third party :  
• US 3484953 A 19691223 - NORHEIM RAY H JR  
• US 6083110 A 20000704 - KITCHEN WILLIAM J [US], et al

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
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